

# Caltrain

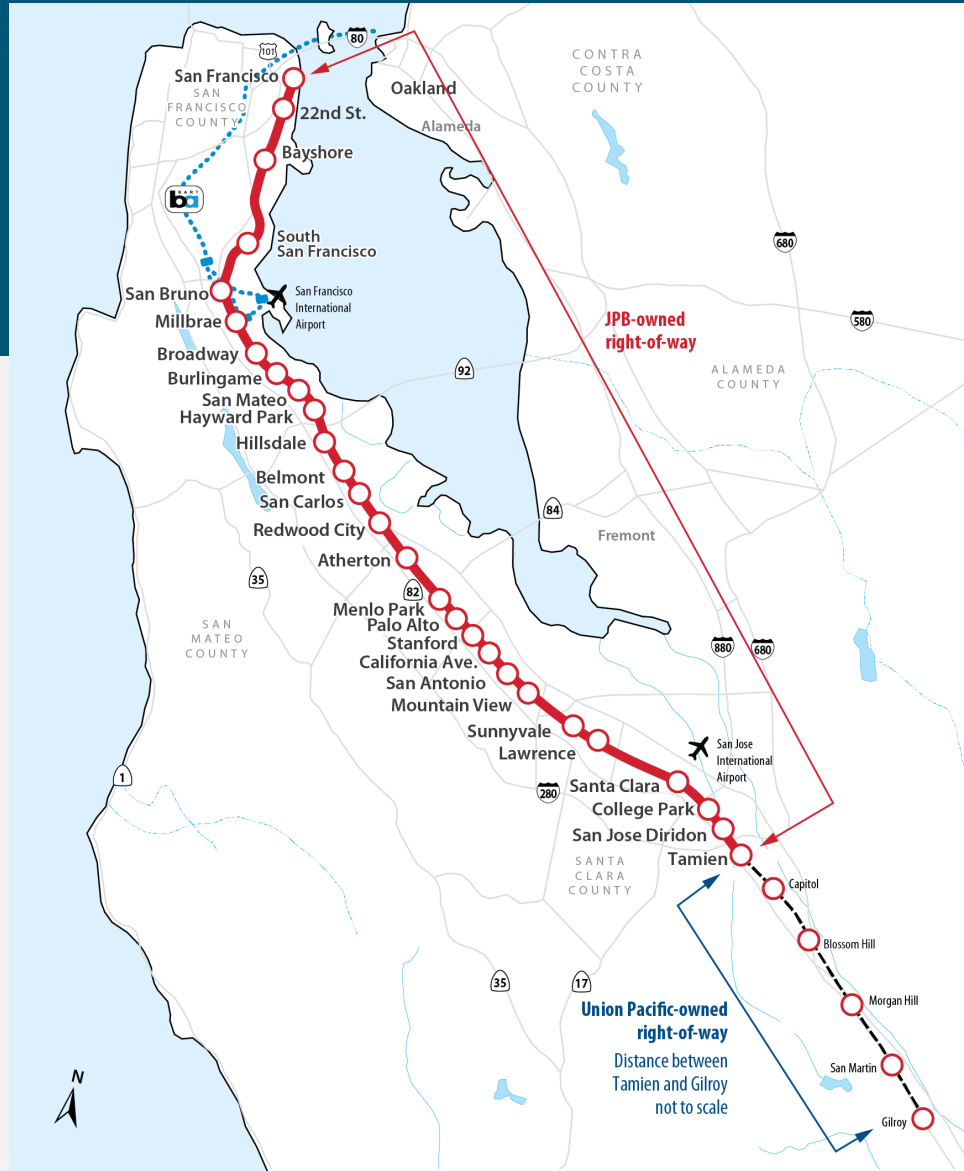
Senate Transportation Committee  
& Senate Budget Sub-Committee #5  
Joint Informational Hearing

Review of the California High-Speed  
Rail Authority Draft 2022 Business  
Plan

March 8, 2022



# Caltrain Corridor

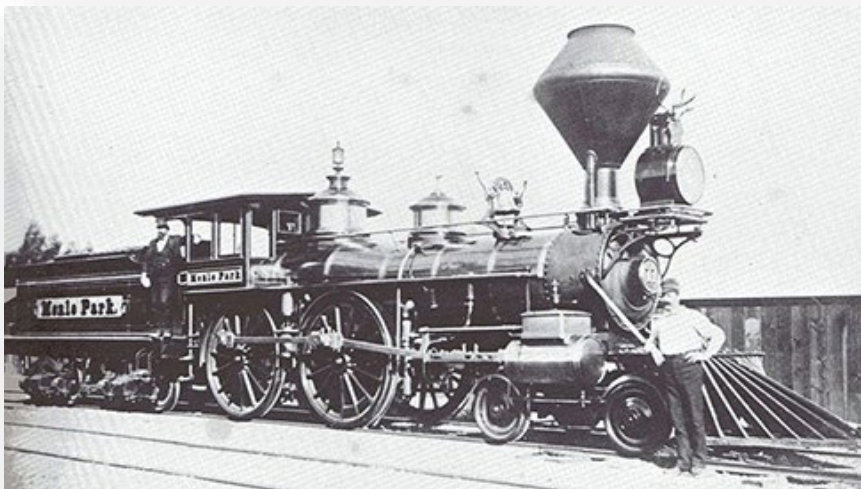


- 77 miles
- 31 stations
- Bi-directional commute
- Multiple destination centers in Silicon Valley
- 41 at-grade crossings
- Pre-pandemic:
  - 7<sup>th</sup> largest commuter rail in the country
  - 70% farebox recovery
  - Crowded trains, standing room only



# Transformational Moment

Modernizing 150-year old railroad, compatible with future High-Speed Rail



Locomotive - Locomotive #11 of the San Francisco and San Jose Railroad. Circa 1870.

Steam 1860s



Diesel 1950s



Electric 2024



# 2040 Caltrain Vision

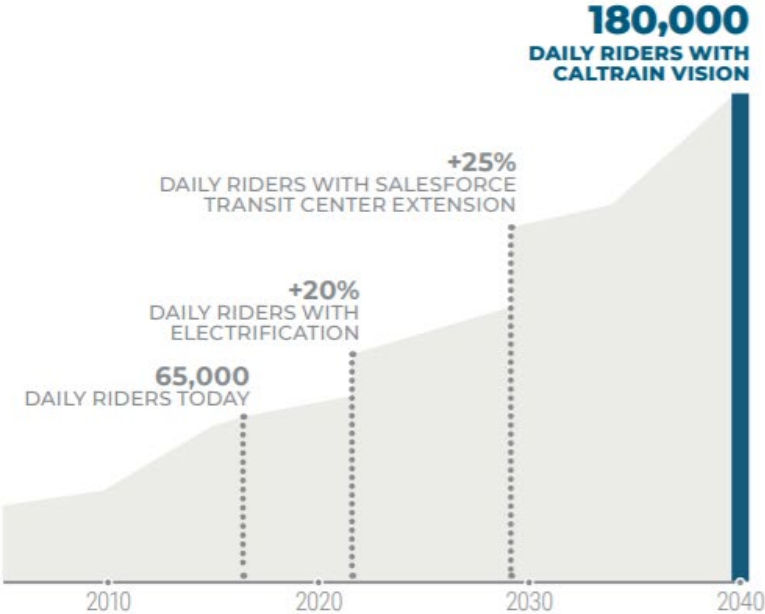
Carry 5.5 lanes of additional freeway capacity



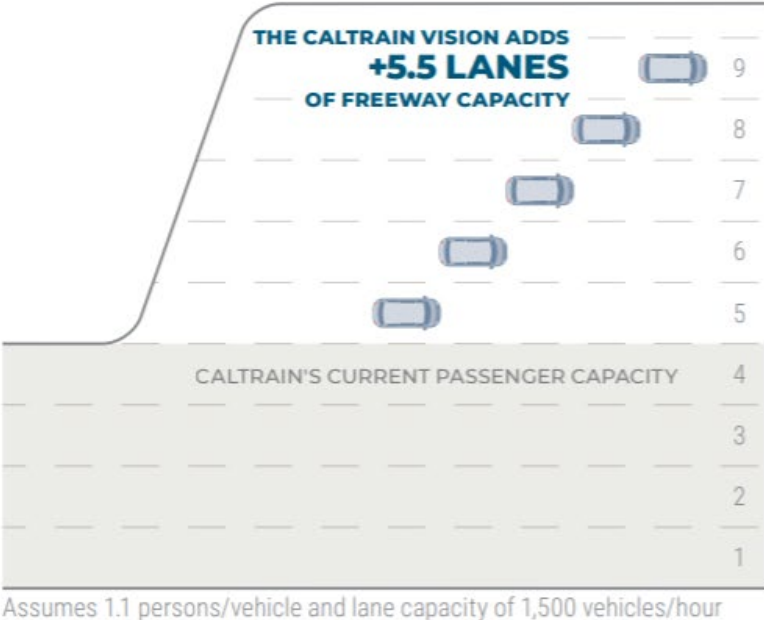
### MORE TRANSPORTATION CAPACITY



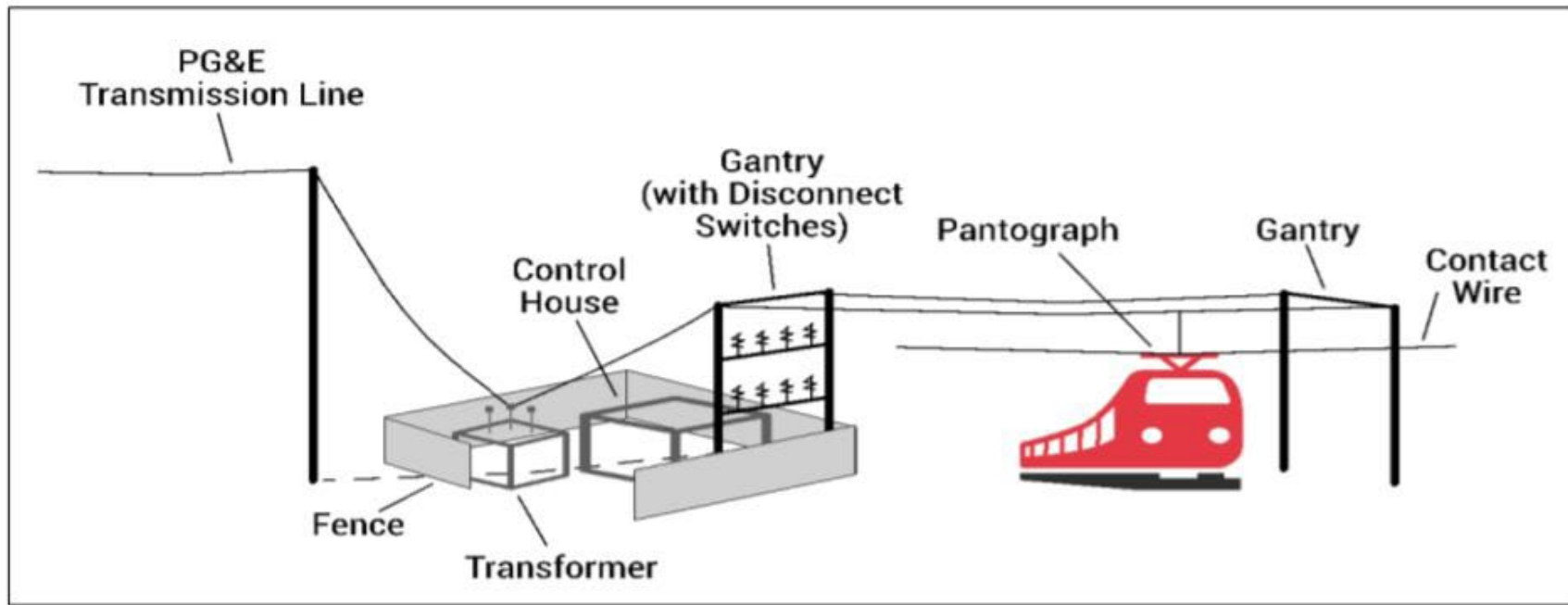
### CARRYING MORE PEOPLE



### TRAINS VS LANES



# Electrification Project Elements



- 25KV Overhead Contact System - same system as High-Speed Rail
- 19 electric multiple unit trainsets (7-car) replace 75% of diesel fleet

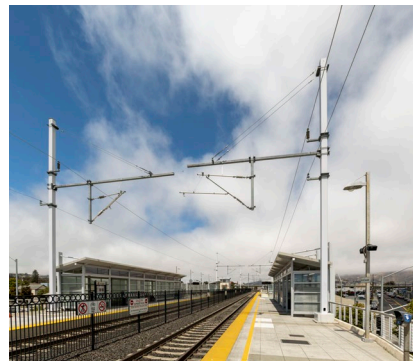


# Shovels In the Ground

- **Foundations:** All 3,092 foundations complete removing significant risk of working underground
- **Electric Trains:** First cars start to arrive in Spring 2022
- **Overhead Catenary System (OCS):** Finish installation by Summer 2022
- **Traction Power Facilities (TPF):** All 10 complete by late 2022
- **Signal Work / System Integration and Testing:** 2022-2024



Foundations



Overhead  
Catenary System



Traction Power  
Facilities



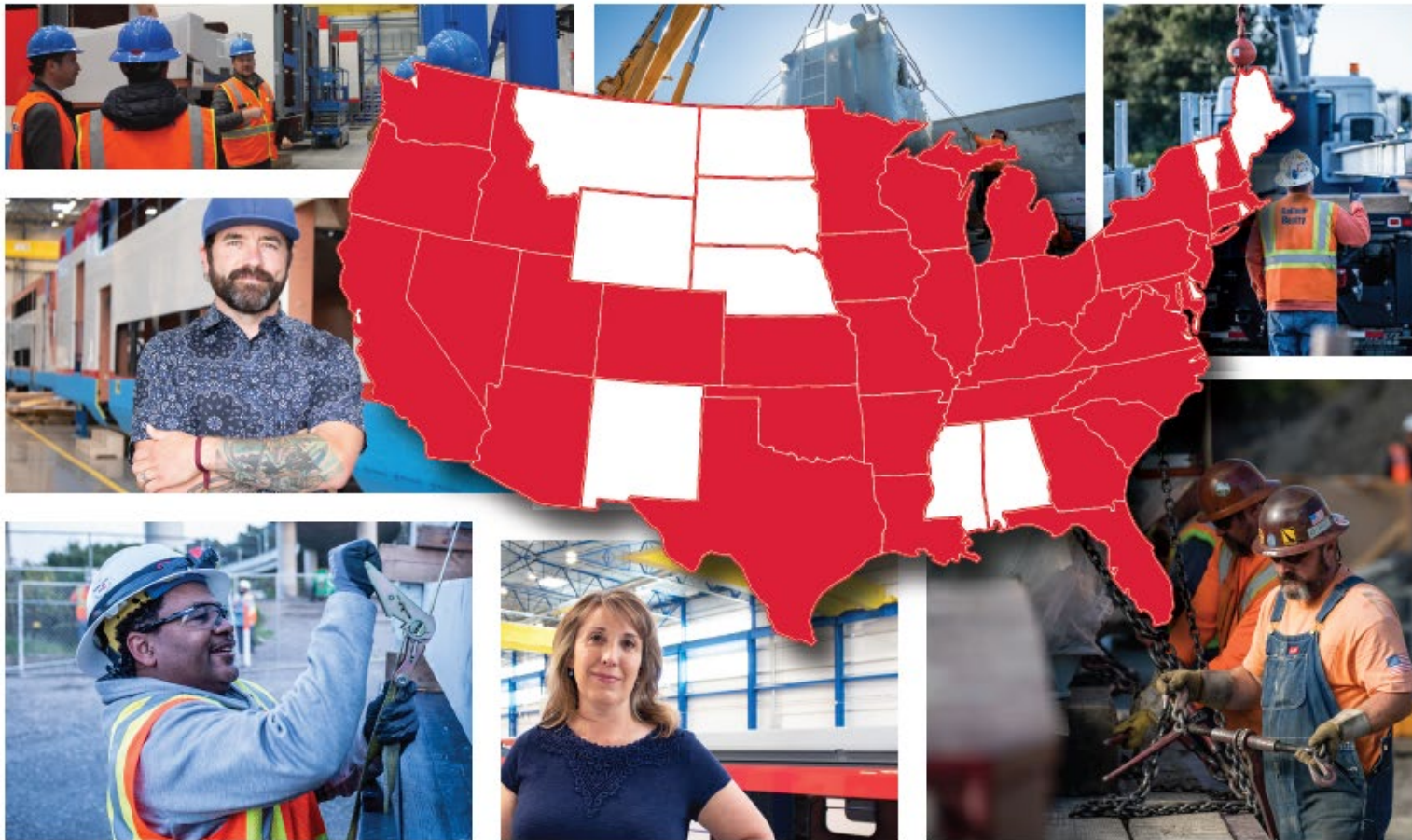
Electric Trains



# Electrification Benefits

Caltrain Electrification is **creating nearly 33,000 jobs** in 36 states nationwide.

The collaborative effort to develop the new electric trains and electrification infrastructure is creating thousands of high-quality jobs — helping sustain economic growth along the corridor and across the country.



# Electrification Benefits



## SUSTAINABILITY

Replacing old diesel trains with new electric trains will reduce GHG emissions and improve air quality



## CONVENIENCE

More efficient service with increased frequency and reduced travel time



## CAPACITY

Short and long-term capacity growth potential, without degrading service, due to increased frequency



## COMFORT

Smoother, quieter rides with enhanced amenities like on-board signage, electrical plugs and roomier seats



# Timeline

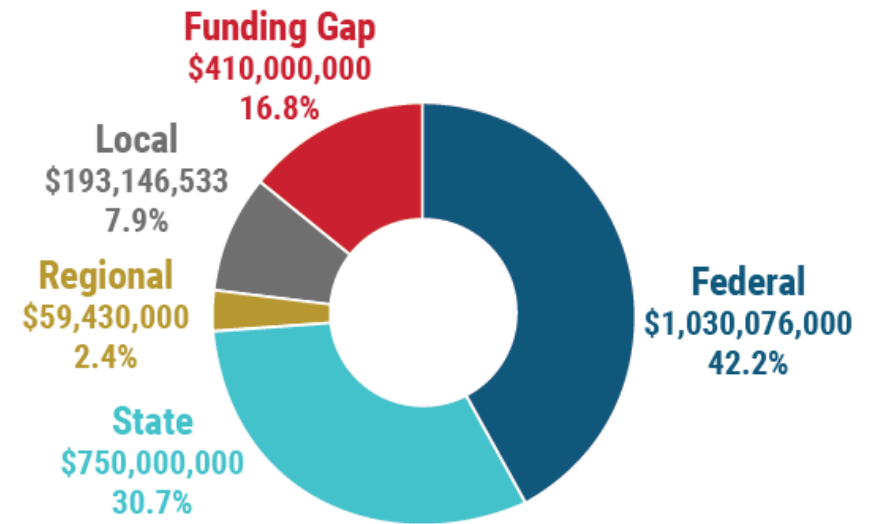
- Start construction: 2017
- First train on corridor: 2022
- **Electrified service: 2024**



# New Cost

- Update project cost: \$2.44B
- **Funding gap: \$410M**

## CALTRAIN ELECTRIFICATION PROJECT FUNDING PLAN



# Project Support

- US Senators: Feinstein, Padilla
- US Reps: Pelosi, Eshoo, Speier, Lofgren, Khanna
- State Senators: Wiener, Becker, Laird
- State Assembly: Mullin, Berman, Chiu (former), Lee, Kalra, Ting, Low, Rivas, Wieckowski, Stone
- California Governor
- 21 Local Jurisdictions along the Corridor including Mayors Breed and Liccardo
- Silicon Valley large and small employers
- Transportation and Environmental advocates
- Caltrain riders

